

ABSTRACT

A method for identifying antibacterial agents comprises depleting bacteria of a strain
5 comprising a luxAB construct of Ca^{2+} , incubating the Ca^{2+} depleted bacteria with an agent
the antibacterial effect of which shall be determined, recording the light emitted by the
bacteria upon addition of an aldehyde, the incubation being carried out at a temperature
which is at least 10°C higher than the temperature at which the light is emitted by the
bacteria. Also disclosed are corresponding probes and antibacterial agents identified by the
10 method.

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Kristoffer [SE/SE]; Birgittagatan 15B, S-414 53 Göteborg
(SE).

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(74) Agent: CONIMAR AB; Box 2086, S-141 02 Huddinge
(SE).

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(71) Applicant (*for all designated States except US*): INNATE PHARMACEUTICALS AB [SE/SE]; Umestan, S-903 47 Umeå (SE).

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(72) Inventors; and

(75) Inventors/Applicants (*for US only*): KAUPPI, Anna, Maria [SE/SE]; Morkullevägen 18M, S-906 51 Umeå (SE). ELOFSSON, Jan, Mikael, Christian [SE/SE]; Sjöfruvägen 13, S-907 51 Umeå (SE). WOLF-WATZ, Hans, Olof [SE/SE]; Djäkneböle 725, S-905 87 Umeå (SE). NORDFELTH, Olov, Roland [SE/SE]; Bofinksvägen 4B, S-906 51 Umeå (SE). DAHLGREN, Markus,

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(54) Title: METHODE ET SONDE D'IDENTIFICATION D'AGENTS MODIFICATEURS DE LA VIRULENCE BACTERIENNE, AGENTS AINSI IDENTIFIES ET LEUR UTILISATION

(57) **Abstract:** L'invention porte sur un procédé d'identification d'agents antibactériens modificateurs de virulence comportant les étapes suivantes: épuiser en Ca₂₊ les bactéries d'une souche comprenant le gène hybride luxAB; incuber les bactéries épuisées en Ca₂₊ avec un agent dont l'effet antibactérien doit être déterminé; et enregistrer la lumière émise par les bactéries après adjonction d'un aldéhyde. L'incubation se fait à une température dépassant d'au moins 10 °C celle à laquelle les bactéries émettent de la lumière. L'invention porte également sur les sondes et sur les agents antibactériens identifiés au moyen dudit procédé.

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